

## WATER (41)

### MISSION, GOALS AND BUDGET SUMMARY

#### AGENCY MISSION:

The mission of the Water and Sewerage Department is to exceed our customer's expectations through innovative treatment and transmission of water and wastewater that promote health communities and economic growth, and excel in the management of cost efficient water sources for the people of Southeastern Michigan

#### AGENCY GOALS:

The Water Division is administratively part of the Detroit Water and Sewerage Department while maintained as a separate fund in the City of Detroit Accounting system

#### AGENCY FINANCIAL SUMMARY:

2003-04 <u>Requested</u>		2002-03 <u>Budget</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
\$ 154,800,000	Operation and Maintenance	\$ 153,629,540	\$ 154,800,000	\$ 1,170,460
95,583,800	Debt Service	87,060,300	95,583,800	8,523,500
39,211,400	Capital Appropriations	35,624,258	39,211,400	3,587,142
-	Bonded Capital	360,000,000	-	(360,000,000)
\$ 289,595,200	Total Appropriations	\$ 636,314,098	\$ 289,595,200	\$ (346,718,898)
\$ 289,595,200	Departmental Revenues	\$ 276,314,098	\$ 289,595,200	\$ 13,281,102
-	Sale of Bonds	360,000,000	-	(360,000,000)
\$ 289,595,200	Total Revenues	\$ 636,314,098	\$ 289,595,200	\$ (346,718,898)
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

#### AGENCY EMPLOYEE STATISTICS:

2003-04 <u>Requested</u>		2002-03 <u>Budget</u>	04-01-03 <u>Actual</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
2,118	City Positions	2,411	1,854	2,097	(314)
2,118	Total Positions	2,411	1,854	2,097	(314)

#### ACTIVITIES IN THIS AGENCY:

	2002-03 <u>Budget</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 25,064,891	\$ 44,389,276	\$ 19,324,385
Financial Services	9,831,243	5,979,900	(3,851,343)
Asset Management	19,172,661	47,791,191	28,618,530
Plant Operations - Water	99,560,745	53,343,129	(46,217,616)
Engineering Services	3,708,105	3,296,504	(411,601)
Water - Capital and Debt Service	478,976,453	134,795,200	(344,181,253)
	\$ 636,314,098	\$ 289,595,200	\$ (346,718,898)

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### ***ADMINISTRATIVE SUPPORT ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ADMINISTRATIVE SUPPORT**

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of ten (10) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, initiatives and promotes a more open and cooperative work environment for all DWSD employees.

Public Affairs is now in charge of the **Commercial Operations Division**. The Commercial Division is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division will be responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for the Service Improvement Program.

The **Security Division** is responsible for providing a safe and secure working environment.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES Permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest Water Plants; acts as a liaison between DWSD Divisions and regulatory agencies regarding environmental and regulatory issues; currently manages DWSD Contracts CS-1330, DWS-830A, DWS-851, and other contracts as needed or assigned by the DWSD Director and Deputy Director. Other activities include preparing and submitting the DWSD Wastewater System Operational Plan and PCB/Mercury Minimization Program annual updates to the MDEQ as required by the NPDES Permit, researching and investigating 201 Sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including Waste Cleanup, Hazardous Waste Removal and Disposal, PCB Equipment Management including Transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's Health and Safety Contract CS-1322.

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The **Contracts and Grants Division** is divided into four (4) major sections: Consultant Contracts, Construction Contracts/State Revolving Fund (SRF) Contracts, and Contracts Audit. Both Consultant, Construction/SRF sections prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Audits Section provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Detroit-Based/Small Business Enterprise (DBB/SBE) section monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Management Division** centralizes and expands current system/software application LAN/WAN network, related technical and system hardware support services within the department. The department has migrated to a client-server open systems environment using an Oracle database platform which supports some of the existing applications/systems, and a few which are still functioning in the mainframe environment which interfaces with current city applications supported by ITS.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates twenty-one water booster stations and thirteen sewage pump stations from the Systems Control Center and maintains capability for monitoring and controlling the water and sewerage network. This capability provides the flexibility to compensate for changing load levels on the system by adjusting water pressures and reservoir flows as well as selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system 24 hours per day and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, four weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies about every CSO (combined sewer overflow) event, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance.

**Meter Operations Division:** This division focuses on the meter reading function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

### GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. Provide adequate technical support services for department-wide information system applications, microcomputers/servers, network and database administrative functions and facilitate interfaces with city information system activities.
7. Replace the Customer Billing and Information System to facilitate completely automated billing functions, increase employee training and initiate activities that will to improve revenue billing and collection efforts, and customer service.
8. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.

### MAJOR INITIATIVES:

- The Public Affairs Division is charged with coordinating all activities and events relating to the 150<sup>th</sup> anniversary of the Board of Water Commissioners.
- Complete total water and sewerage meter change-out throughout the City of Detroit and the wholesale customer/suburban areas.

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### PLANNING FOR THE FUTURE:

1. Establishing a body of Procurement Standards that will not only service the requirements of the DWSD and its industry regulations but also, eliminate obstacles in the purchasing process and develop value-added practices.
2. Emphasize the use of available technology in the area of data base development, budgetary expenditures, and strategic procurement planning.
3. Continue to stress the importance of open and competitive bid solicitation, development of concise equipment and part specifications and the cultivation of a qualified supplier database.
4. Reduce the internal procurement process to 25 Business Days from Purchase Requisition to Purchase Order for the spending level of \$9,999.00 & less.
5. The primary goal of the Reorganization Plan will be to provide a well-rounded customer focus, for the City of Detroit retail and suburban wholesale customers. Under the Reorganization Plan, many of the division's major functions, currently handled by twelve separate sections, will be consolidated. This division will continue to work to develop and implement fair, equitable water and sewerage services rates and charges to all system customers using uniform rate methodologies.

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### ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Inform the public of agency operations:				
City populations served	951,270	951,270	951,300	951,300
Suburban populations served	2,946,892	2,986,146	3,000,000	3,000,000
City services	277,530		262,150	262,155
Suburban services	991,603	1,020,651	1,020,754	1,021,841
Meter Operations				
Wholesale Meter Replacement (System Total – 279)	125	88	5	0
Commercial/Industrial Meter Replacement (System Total – 16,000)	258	530	550	3,400
Residential Meter Replacement (System Total – 260,000)	9,607	12,913	13,500	50,000
<b>Activity Costs</b>	<b>\$25,041,068</b>	<b>\$16,400,702</b>	<b>\$25,064,891</b>	<b>\$44,389,276</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

Office of the Director Administration	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00085 - Administration						
411010 - Office of the Director	12	\$1,959,905	11	\$606,897	11	\$152,514
411020 - Public Affairs Division	37	\$1,281,373	32	\$1,122,329	33	\$1,201,084
411030 - Document Management	10	\$231,742	7	\$174,644	0	\$181,289
411040 - General Staff Services	0	\$7,021,346	0	\$7,260,241	0	\$7,260,241
411050 - General Departmental Services	0	\$4,274,024	0	\$4,274,024	0	\$4,274,024
411060 - Human Resources	0	\$26,246	0	\$16,745	0	\$16,745
411070 - Safety	0	\$342,550	8	\$454,176	0	\$729,946
411080 - Security	135	\$3,211,822	130	\$3,378,008	130	\$3,506,447
411090 - Office of Program Management Assist	0	\$0	0	\$0	0	\$0
411095 - Capital Management	0	\$0	0	\$0	0	\$1,610
411100 - Print Shop	5	\$239,340	3	\$200,201	0	\$204,346
411110 - Information Systems Administrative S	50	\$4,856,942	50	\$5,589,522	50	\$5,675,333
411190 - Purchasing	42	\$1,224,135	36	\$1,074,508	0	\$0
411200 - Contracts and Grants	42	\$395,466	35	\$1,175,536	35	\$1,216,596
411220 - Commercial Operations	0	\$0	0	\$0	217	\$5,793,147
411225 - Customer Billing	0	\$0	0	\$0	0	\$270,020
411230 - Customer Service - Detroit	0	\$0	0	\$0	0	\$33,152
411235 - Collections	0	\$0	0	\$0	0	\$19,374
411240 - Addressograph	0	\$0	0	\$0	0	\$597,533
411245 - Meter Reading	0	\$0	0	\$0	0	\$108,888
411250 - Meter Operations	0	\$0	0	\$0	88	\$2,647,389
411255 - Meter Records	0	\$0	0	\$0	0	\$10,028
411260 - Meter Shop	0	\$0	0	\$0	0	\$103,973
411265 - Meter Instrumentation Shop	0	\$0	0	\$0	0	\$109,752
411280 - Systems Operations Control	0	\$0	0	\$0	38	\$2,911,149
411290 - Water Technical Services	0	\$0	0	\$0	7	\$692,123
411300 - Operations Services	0	\$0	0	\$0	17	\$760,773
411310 - Pumping Station - Ford Road	0	\$0	0	\$0	0	\$5,911,800
<b>APPROPRIATION TOTAL</b>	<b>333</b>	<b>\$25,064,891</b>	<b>312</b>	<b>\$25,326,831</b>	<b>626</b>	<b>\$44,389,276</b>
<b>ACTIVITY TOTAL</b>	<b>333</b>	<b>\$25,064,891</b>	<b>312</b>	<b>\$25,326,831</b>	<b>626</b>	<b>\$44,389,276</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC0541 - Administration Services</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	4,884,516	5,228,179	11,944,935
EMPBENESL - Employee Benefi	2,541,905	3,107,312	7,381,806
PROFSVCSL - Professional/Con	12,106,243	11,196,777	12,400,024
OPERSUPSL - Operating Suppli	478,208	468,008	1,585,439
OPERSVCSL - Operating Servic	12,324,531	12,324,925	19,790,615
CAPEQUPSL - Capital Equipmei	3,000	3,000	3,000
CAPOUTLSL - Capital Outlays/I	0	0	1,650
OTHEXPSSL - Other Expenses	(7,273,512)	(7,001,370)	(8,718,193)
<i>A41000 - Water Department</i>	<i>25,064,891</i>	<i>25,326,831</i>	<i>44,389,276</i>
<b>AC0541 - Administration Services</b>	<b>25,064,891</b>	<b>25,326,831</b>	<b>44,389,276</b>
<b>Grand Total</b>	<b>25,064,891</b>	<b>25,326,831</b>	<b>44,389,276</b>

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### ***FINANCIAL SERVICES ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP**

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, the Capital Improvement Program (CIP) activities, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations were necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

**Materials Management Division:** The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally that during the entire procurement process the department has complied with all Federal, State and Local Laws, Statutes, Ordinances, and Executive Orders that pertain to the Procurement Process.

#### **GOALS:**

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.
5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. The Materials Management Division's goals are to continue to improve upon customer satisfaction, improve



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stores/warehousing operations efficiency/effectiveness (i.e., inventory levels), improve Item Master records, develop a specification catalog, establish target inventory service levels (i.e. reorder points), and balance inventory levels to budgeted cost.

### MAJOR INITIATIVES:

- Implementation of the new customer billing system began in FY2001-02.
- EMPAC was upgraded from version 7.7 to version 8.5.
- Continue reducing and improving the 'Purchasing Item Master' for goods and services.

### PLANNING FOR THE FUTURE:

Use of EMPAC Systems on the Waterside for preventative maintenance and inventory management. Produce accurate and timely monthly and annual financial statements

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FINANCIAL SERVICES MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Materials Management:				
Stock Inventory Levels (Benchmark – 95% stockage)	96%	98%	98%	98%
Fuel Procurement/Usage (Gallons)	1,254,183	1,130,000	1,100,000	1,050,000
Activity Costs	-0-	-0-	\$9,831,243	\$5,979,900

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

Office of Assistant Director of Financial Services Financial Services Group	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00086 - Financial Services Group						
412010 - Office of Assistant Director of Financial Services	3	\$943,522	2	\$156,993	2	(\$269,257)
412020 - Financial Administrative Services	18	\$911,752	13	\$681,074	10	\$638,109
412030 - Budget/Fiscal Reporting	0	\$9,817	0	\$10,626	0	\$10,626
412040 - Rates	0	\$2,061	0	\$2,231	0	\$2,231
412050 - Capital Improvement Program	0	\$1,487	0	\$1,610	0	\$0
412080 - General Accounting Administrative Services	71	\$1,637,377	64	\$1,756,672	64	\$1,841,992
412090 - Financial Reporting	0	\$46,750	0	\$50,600	0	\$50,600
412100 - Fixed Assets/Inventory/Payables	0	\$24,650	0	\$26,680	0	\$26,680
412110 - Cash Management	0	\$40,800	0	\$44,160	0	\$44,160
412120 - Commercial Operations Administrative Services	209	\$5,172,026	217	\$5,525,001	0	(\$0)
412130 - Customer Billing	0	\$288,500	0	\$270,020	0	\$0
412140 - Customer Service Detroit	0	\$31,650	0	\$33,152	0	\$0
412150 - Collections	0	\$23,348	0	\$19,374	0	\$0
412160 - Addressograph	0	\$581,142	0	\$597,533	0	\$0
412170 - Meter Reading	0	\$116,361	0	\$108,888	0	\$0
412220 - Purchasing	0	\$0	0	\$0	36	\$1,124,010
412230 - Material Management	0	\$0	0	\$0	90	\$2,465,689
412235 - Water Plant Stores	0	\$0	0	\$0	0	\$14,568
412240 - West Yard Warehouse	0	\$0	0	\$0	0	\$4,685
412245 - CSF - Warehouse	0	\$0	0	\$0	0	\$15,652
412250 - Inventory Control	0	\$0	0	\$0	0	\$6,050
412255 - Inventory Audit	0	\$0	0	\$0	0	\$4,105
<b>APPROPRIATION TOTAL</b>	<b>301</b>	<b>\$9,831,243</b>	<b>296</b>	<b>\$9,284,614</b>	<b>202</b>	<b>\$5,979,900</b>
<b>ACTIVITY TOTAL</b>	<b>301</b>	<b>\$9,831,243</b>	<b>296</b>	<b>\$9,284,614</b>	<b>202</b>	<b>\$5,979,900</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC1041 - Financial Services</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	4,903,948	4,853,331	3,585,041
EMPBENESL - Employee Benefi	2,526,545	2,915,688	2,219,057
PROFSVCSL - Professional/Con	1,515,800	1,175,800	640,800
OPERSUPSL - Operating Suppli	533,688	556,994	238,934
OPERSVCSL - Operating Servic	1,289,758	1,411,978	266,364
CAPEQUPSL - Capital Equipmei	0	0	3,000
CAPOUTLSL - Capital Outlays/I	0	0	515
OTHEXPSSL - Other Expenses	(938,496)	(1,629,177)	(973,811)
<i>A41000 - Water Department</i>	9,831,243	9,284,614	5,979,900
<b>AC1041 - Financial Services</b>	<b>9,831,243</b>	<b>9,284,614</b>	<b>5,979,900</b>
<b>Grand Total</b>	<b>9,831,243</b>	<b>9,284,614</b>	<b>5,979,900</b>

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### ***ASSET MANAGEMENT GROUP ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ASSET MANAGEMENT GROUP**

Asset Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

**Plants, Buildings, Grounds and Mechanical Maintenance Division:** This division provides facilities centralized/major maintenance support assistance at all plants (water and wastewater), water booster stations, sewage pumping stations, customer service centers, maintenance/repair yard facilities and administrative buildings for the purposes of housekeeping, grounds keeping, electrical, mechanical, instrumental and other skilled trades or unskilled functions, as necessary. Similarly, also provided is a support base for equipment repair, calibration or replacement, particularly for heating, ventilation and air conditioning units, as well as for pumps, motors, valves, vehicles and support various numerous appurtenances.

The **Maintenance and Repair Division** is responsible for maintenance, repair and extension of sewers, drainage lines, sewer system appurtenances and auxiliary equipment. The division also has the responsibility for the maintenance and repair of water service lines, water mains and over 30,000 fire hydrants. The maintenance yards work from four geographic units – Central, East, North, and West Yards with one Heavy Repair Construction Section.

#### **GOALS:**

1. The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are to improve pumping unit (i.e., pump and motor) equipment availability overall (i.e., water distribution and sewage transport systems), improve lawn/grounds maintenance service at water plants, booster stations, pumping stations, improve employees' safety at work locations/sites, and the general efficiency/effectiveness of support functions.
2. Reduce the average response and repair time for water system leaks and breaks.
3. Maintain adequate stores and supplies to meet repair needs.
4. Increase repair crew productivity through new work methods and equipment changes.
5. Implement preventive maintenance measures on distribution system valves and hydrants.

#### **MAJOR INITIATIVES:**

- Continue the development and implement a plan for a preventative/predictive maintenance program.
- Continue the improvement of service to internal customers by either implementing, establishing, or expanding 'off-shift' operations.
- Continue increasing general staff training efforts.

#### **PLANNING FOR THE FUTURE:**

1. Continue Management Succession Planing.
2. Establish and implement a solid supervisory/management training track that would adequately/prepare staff for leadership roles.
3. Continuing to work at filling staffing vacancies by accessing traditional options.

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### ASSET MANAGEMENT OPERATIONS MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Plants, Buildings, Grounds and Mechanical Maintenance -				
Major Pumping Units Availability – Water (Benchmark – 85%)	77.25%	80.1%	83.0%	85.0%
Sites Maintained	78	78	78	78
Acreage Maintained	1,395	1,395	1,395	1,395
Vehicle Maintenance Performed (Repairs)	N/A	8,187	9,000	9,500
Repair plant and pumping equipment quickly and efficiently:				
Main leaks and breaks repaired	1,786	1,467	1,467	1,500
Service leaks repaired	647	738	740	745
Increase repair crew productivity through new work methods and equipment change				
Services replaced	82	68	70	73
New services installed	68	119	109	111
Old services discontinued	1,243	143	145	149
Job completed by plumber	450	468	480	482
Increase water system reliability through increased input into the planning process:				
Complaints about water quality investigated	531	306	250	250
Reduce the average response and repair time for water system leak and breaks:				
Emergency investigations made	37,210	41,428	41,420	41,415
Implement preventive maintenance measures on distribution system valves and hydrants:				
Gate valves repaired or replaced	20	584	40	32
Gate wells repaired	91	87	90	88
Fire hydrants repaired or replaced	2,725	282	290	285
New hydrants installed	3	0	0	0
Total hydrants in system	30,427	30,430	30,430	30,430
<b>Activity Costs</b>	<b>\$10,168,559</b>	<b>\$8,722,406</b>	<b>\$19,172,661</b>	<b>\$47,791,191</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Office of Assistant Director Asset Manage</b> <b>Asset Maintenance Group</b>	<b>2002-03</b> <b>Redbook</b>		<b>2003-04</b> <b>Dept Final</b> <b>Request</b>		<b>2003-04</b> <b>Mayor's</b> <b>Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
00087 - Asset Maintenance Group						
414010 - Office of Assistant Director Asset Man	6	\$656,448	6	\$423,864	6	(\$416,831)
414020 - Material Management Administration	104	\$2,011,809	90	\$2,353,201	0	\$0
414040 - Water Plant Stores	0	\$25,286	0	\$14,568	0	\$0
414050 - West Yard Warehouse	0	\$3,944	0	\$4,685	0	\$0
414060 - Central Services Facility Warehouse	0	\$13,528	0	\$15,652	0	\$0
414070 - Inventory Control	0	\$5,504	0	\$6,050	0	\$0
414080 - Inventory Audits	0	\$3,664	0	\$4,105	0	\$0
414090 - Meter Operations	114	\$1,855,731	88	\$2,526,606	0	\$0
414100 - Meter Records	0	\$6,806	0	\$10,028	0	\$0
414110 - Meter Shop	0	\$70,481	0	\$103,973	0	\$0
414120 - Meters Instrumentation Shop	0	\$74,707	0	\$109,752	0	\$0
414130 - Mechanical Operations Administration	344	\$8,145,832	294	\$9,851,265	294	\$10,298,352
414140 - Ground Maintenance	0	\$66,682	0	\$57,128	0	\$57,128
414150 - Field Operations	0	\$2,767,746	0	\$3,244,287	0	\$3,244,287
414160 - Mechanical Maintenance	0	\$1,549,592	0	\$1,270,888	0	\$1,270,888
414200 - Water Board Building	53	\$1,914,901	48	\$1,941,931	48	\$2,002,269
414240 - Central Yard	0	\$0	0	\$0	515	\$28,452,125
414250 - East Yard	0	\$0	0	\$0	0	\$116,618
414260 - West Yard	0	\$0	0	\$0	0	\$396,950
414270 - North Yard	0	\$0	0	\$0	0	\$109,000
414350 - Fire Hydrant Maintenance	0	\$0	0	\$0	0	\$140,000
414360 - Central Service Facility	0	\$0	0	\$0	1	\$2,120,405
<b>APPROPRIATION TOTAL</b>	<b>621</b>	<b>\$19,172,661</b>	<b>526</b>	<b>\$21,937,983</b>	<b>864</b>	<b>\$47,791,191</b>
<b>ACTIVITY TOTAL</b>	<b>621</b>	<b>\$19,172,661</b>	<b>526</b>	<b>\$21,937,983</b>	<b>864</b>	<b>\$47,791,191</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC1541 - Asset Management</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	8,388,785	10,151,832	20,981,217
EMPBENESL - Employee Benefi	4,772,484	6,023,260	12,671,279
PROFSVCSL - Professional/Con	6,004,920	6,932,913	13,901,666
OPERSUPSL - Operating Suppli	4,528,225	3,031,884	5,057,490
OPERSVCSL - Operating Servic	1,748,945	1,125,265	3,091,144
CAPEQUPSL - Capital Equipmei	19,500	12,200	12,200
CAPOUTLSL - Capital Outlays/I	62,165	42,165	222,500
OTHEXPSSL - Other Expenses	(6,352,363)	(5,381,536)	(8,146,305)
<i>A41000 - Water Department</i>	<i>19,172,661</i>	<i>21,937,983</i>	<i>47,791,191</i>
<b>AC1541 - Asset Management</b>	<b>19,172,661</b>	<b>21,937,983</b>	<b>47,791,191</b>
<b>Grand Total</b>	<b>19,172,661</b>	<b>21,937,983</b>	<b>47,791,191</b>



## **WATER (41)**

### ***PLANT OPERATIONS - WATER ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: PLANT OPERATIONS - WATER**

The **Water Plant Operations Division** operates five water treatment and pumping facilities and maintains the associated mechanical and electrical equipment.

The **Water Quality Division** is responsible for the testing and reporting of water quality throughout the distribution system to comply with federal and state Safe Drinking Water Act regulations and to provide data for department use. The division is responsible for investigating customer complaints, disinfecting and testing new or repaired water mains, and investigating facilities for acceptable water quality. The division is also involved in drinking water research projects and source water protection programs.

#### **GOALS:**

1. Ensure an adequate supply of safe, potable water to all parts of the system.
2. Repair all plant and pumping equipment quickly and efficiently.
3. Reduce plant outages to an acceptable level.
4. Operate the transmission/distribution system in the most efficient manner possible.
5. Increase water system reliability through increased input into the planning process.

#### **MAJOR INITIATIVES:**

Lake Huron Plant capacity will be increased to 400 MGD by completion of the plant solids handling and polymer feed projects.

Springwells Plant's filters will be rehabilitated.

#### **PLANNING FOR THE FUTURE:**

A needs assessment has been done at Springwells, Northeast, and Southwest Plants with construction of needed process and infrastructure improvements to be done over a 10-year period

WATER (41)

PLANT OPERATIONS - WATER MEASURES AND TARGETS				
Goals:	2000-01	2001-02	2002-03	2003-04
Measures	Actual	Actual	Projection	Target
Ensure an adequate supply of safe, potable water:				
Annual average raw water turbidity	6	9	10	10
Tons of chlorine used	1,740	1,857	2,200	2,000
Tons of fluoride used	968	1,135	1,250	1,205
Water pumped to mains (billions of gallons)	225	241	240	241
Tons of alum used	1,240	1,517	1,600	1,600
Activity Costs	\$142,118,602	\$144,691,141	\$99,560,745	\$53,343,129

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

Office of Assistant Director of Water Oper: Water Operations Group	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00088 - Water Operations Group						
415010 - Office of Assistant Director of Water C	14	\$2,117,643	8	\$784,520	8	(\$1,480,410)
415020 - Water Works Park	61	\$10,509,554	55	\$12,787,154	55	\$12,976,742
415030 - Springwells Plant	65	\$11,041,693	53	\$11,426,376	52	\$11,633,403
415040 - Northeast Plant	38	\$9,242,133	30	\$9,362,516	30	\$9,483,481
415050 - Southwest Plant	38	\$7,231,220	33	\$6,687,893	33	\$6,804,605
415060 - Lake Huron Plant	32	\$11,286,468	27	\$10,971,671	27	\$11,085,481
415070 - Systems Control	49	\$2,247,956	38	\$2,825,735	0	\$0
415080 - Operational Services	23	\$1,612,785	17	\$726,472	0	\$0
415090 - Pumping Stations-Ford Road	0	\$7,681,800	0	\$5,911,800	0	\$0
415300 - Water Technical Services	8	\$749,668	7	\$660,043	0	\$0
415310 - Central Yard	567	\$30,525,979	515	\$27,162,815	0	(\$0)
415320 - East Yard	0	\$148,290	0	\$116,618	0	\$0
415330 - West Yard	0	\$159,615	0	\$396,950	0	\$0
415340 - North Yard	0	\$204,505	0	\$109,000	0	\$0
415360 - Fire Hydrant Maintenance	0	\$13,200	0	\$140,000	0	\$0
415370 - Central Service Facility	3	\$1,643,912	1	\$2,116,614	0	(\$0)
415390 - Water Quality	24	\$3,144,324	20	\$2,767,891	20	\$2,839,827
<b>APPROPRIATION TOTAL</b>	<b>922</b>	<b>\$99,560,745</b>	<b>804</b>	<b>\$94,954,068</b>	<b>225</b>	<b>\$53,343,129</b>
<b>ACTIVITY TOTAL</b>	<b>922</b>	<b>\$99,560,745</b>	<b>804</b>	<b>\$94,954,068</b>	<b>225</b>	<b>\$53,343,129</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC2041 - Plant Operations - Water</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	26,985,599	26,038,064	11,322,374
EMPBENESL - Employee Benefi	15,178,950	14,968,559	6,979,346
PROFSVCSL - Professional/Con	12,648,700	10,759,200	2,752,200
OPERSUPSL - Operating Suppli	13,393,871	10,896,677	7,944,200
OPERSVCSL - Operating Servic	36,136,288	35,192,420	26,427,765
CAPEQUPSL - Capital Equipmei	3,000	3,000	0
CAPOUTLSL - Capital Outlays/I	273,000	182,500	0
OTHEXPSSL - Other Expenses	(5,058,663)	(3,086,352)	(2,082,756)
<i>A41000 - Water Department</i>	<i>99,560,745</i>	<i>94,954,068</i>	<i>53,343,129</i>
<b>AC2041 - Plant Operations - Water</b>	<b>99,560,745</b>	<b>94,954,068</b>	<b>53,343,129</b>
<b>Grand Total</b>	<b>99,560,745</b>	<b>94,954,068</b>	<b>53,343,129</b>

## **WATER (41)**

### ***ENGINEERING SERVICES ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ENGINEERING SERVICES-WATER**

Engineering Services provides engineering services to the remaining four- (4) operational groups within the department. The Engineering Services consists of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Construction, Wastewater Design, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

The **Engineering Administration** is headed by the Assistant Director of Engineering Services who acts as advisory for the Division's engineering and contract administration functions. The General and Assistant Superintendents of Engineering guide prosecution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Construction Group** inspects construction and alterations of the Wastewater Treatment Plant buildings and equipment for contract conformance. Design documents and this group reviews drawings in coordination with the Wastewater Design Group.

The **Wastewater Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff for projects related to the wastewater system.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities (excluding the Wastewater Treatment Plant).

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections; Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction inspection for compliance of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations to check conformance to accepted standards; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the "Miss Dig" system.

The **CSO Group** directs and coordinates the preparation or design reports, cost estimates, and plans and specification by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

#### **GOALS:**

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

#### **MAJOR INITIATIVES:**

Design/build/maintain the construction of a new 240-MGD water treatment facility. Invest in the water system to make the most of all water sales in Detroit and sales to suburban wholesale customers.

#### **PLANNING FOR THE FUTURE:**

Through the Engineering Divisions, DWSD expects to continue to invest in the improvement of water and sewer systems in the next fiscal year.

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Office of Assistant Director of Engineering Engineering Services - Water</b>	<b>2002-03 Redbook</b>		<b>2003-04 Dept Final Request</b>		<b>2003-04 Mayor's Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
05817 - Engineering Services - Water						
413010 - Office of Assistant Director of Enginee	3	\$30,134	2	\$192,974	2	\$49,692
413020 - Engineering Administrative Support	231	\$3,487,492	178	\$3,023,403	178	\$3,166,685
413030 - Field Engineering Group	0	\$62,323	0	\$27,710	0	\$27,710
413040 - Water System	0	\$70,253	0	\$24,958	0	\$24,958
413050 - Facilities Design	0	\$57,903	0	\$27,459	0	\$27,459
<b>APPROPRIATION TOTAL</b>	<b>234</b>	<b>\$3,708,105</b>	<b>180</b>	<b>\$3,296,504</b>	<b>180</b>	<b>\$3,296,504</b>
<b>ACTIVITY TOTAL</b>	<b>234</b>	<b>\$3,708,105</b>	<b>180</b>	<b>\$3,296,504</b>	<b>180</b>	<b>\$3,296,504</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC2541 - Engineering Services - Water</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	1,843,935	1,865,624	1,930,921
EMPBENESL - Employee Benefi	1,478,806	1,104,044	1,183,816
PROFSVCSL - Professional/Con	239,708	50,000	50,000
OPERSUPSL - Operating Suppli	344,920	230,943	230,943
OPERSVCSL - Operating Servic	719,966	471,318	471,318
OTHEXPSSL - Other Expenses	(919,230)	(425,425)	(570,494)
<i>A41000 - Water Department</i>	3,708,105	3,296,504	3,296,504
<b>AC2541 - Engineering Services - Water</b>	<b>3,708,105</b>	<b>3,296,504</b>	<b>3,296,504</b>
<b>Grand Total</b>	<b>3,708,105</b>	<b>3,296,504</b>	<b>3,296,504</b>

## **WATER (41)**

### ***WATER CAPITAL ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: WATER CAPITAL**

The Water Capital Program for the Water Supply System is a five year plan devoted to rehabilitating and improving existing water treatment plants, pumping stations, system instrumentation, and master meter pits; replacing deteriorated water distribution mains in the City of Detroit; installing new mains or re-routing existing mains to accommodate new development in the Empowerment Zone and throughout the City of Detroit; automating the meter reading function; upgrading the instrumentation and process control equipment of the water transmission system; and constructing additional transmission mains and pumping facilities in order to continue looped transmission system; provide a backup water supply for the City of Flint and bring in more water to the service area from the Lake Huron Plant.

#### **GOALS:**

1. Provide essential, efficient and user-friendly services by:
  - A. Renovating, improving or replacing water plants and pumping stations to ensure a safe and adequate potable water supply.
  - B. Continuing the water main replacement program aimed at reducing the number of main breaks and leaks in the City of Detroit, thereby improving service, increasing public safety, and lowering costs to Detroit customers.
  - C. Automating the meter reading function and rehabilitating the suburban wholesale meters and meter pits to more accurately measure and bill for water service provided.
  - D. Continuing to computerize various departmental functions to reduce costs and improve operations.
2. Obtain business growth and expansion by:
  - A. Constructing those additional mains, booster stations and reservoirs required to ensure an adequate water supply to all existing and new customers.



## WATER (41)

### WATER CAPITAL MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Maintain, improve or replace water plants, booster stations and reservoirs:				
Number of ongoing water capital projects	84	84	91	69
Value of ongoing water capital projects	205,610,000	105,738,000	103,880,000	155,119,000
Improve urban systems:				
Number of ongoing water capital projects	32	28	25	13
Value of ongoing water projects	14,355,000	6,207,000	19,621,000	26,089,000
Maintenance and Repair				
Number of ongoing water projects	N/A	N/A	1	N/A
Value of ongoing project	N/A	N/A	247,000	N/A
Mechanical maintenance:				
Number of ongoing water capital projects	5	4	4	3
Value of ongoing water projects	10,184,000	4,485,000	5,281,000	13,601,000
Computer systems:				
Number of ongoing water capital projects	15	21	21	18
Value of ongoing water projects	21,462,000	27,113,000	33,822,000	27,621,000
Metro area construction:				
Number of ongoing water capital projects	17	17	14	12
Value of ongoing water projects	11,407,000	12,761,000	37,251,000	23,227,000
Total number of ongoing projects	153	154	156	115
<b>Activity Costs</b>	<b>\$263,018,000</b>	<b>\$79,954,008</b>	<b>\$478,976,453</b>	<b>\$134,795,200</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Bond Principle &amp; Interest Redemption Fund Debt Service and Maintenance</b>	<b>2002-03 Redbook</b>		<b>2003-04 Dept Final Request</b>		<b>2003-04 Mayor's Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
00163 - Debt Service and Maintenance						
417010 - Bond Principle & Interest Redemption	0	\$87,060,300	0	\$95,583,800	0	\$95,583,800
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$87,060,300</b>	<b>0</b>	<b>\$95,583,800</b>	<b>0</b>	<b>\$95,583,800</b>
00164 - Water System Improvements						
414170 - Purchase-Automotive	0	\$2,500,000	0	\$2,500,000	0	\$2,500,000
414190 - Purchase General Equipment	0	\$5,000,000	0	\$5,000,000	0	\$5,000,000
417030 - Improvement and Extension Water Sy	0	\$22,980,253	0	\$29,182,700	0	\$29,182,700
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$30,480,253</b>	<b>0</b>	<b>\$36,682,700</b>	<b>0</b>	<b>\$36,682,700</b>
00583 - Water Extraordinary Repair and Replacem						
417060 - Water Extraordinary Repair and Repla	0	\$510,500	0	\$734,500	0	\$734,500
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$510,500</b>	<b>0</b>	<b>\$734,500</b>	<b>0</b>	<b>\$734,500</b>
05733 - Reserve Deposit						
417020 - Debt Service Reserve	0	\$925,400	0	\$1,794,200	0	\$1,794,200
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$925,400</b>	<b>0</b>	<b>\$1,794,200</b>	<b>0</b>	<b>\$1,794,200</b>
10257 - Water Construction Bond Fund Series 199						
417135 - Water Construction Bond Fund Series	0	\$360,000,000	0	\$0	0	\$0
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$360,000,000</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>
<b>ACTIVITY TOTAL</b>	<b>0</b>	<b>\$478,976,453</b>	<b>0</b>	<b>\$134,795,200</b>	<b>0</b>	<b>\$134,795,200</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriations - Summary Objects**

	<b>2002-03 Redbook</b>	<b>2003-04 Dept Final Request</b>	<b>2003-04 Mayor's Budget Rec</b>
<b>AC3041 - Water - Capital and Debt Service</b>			
<i>A41000 - Water Department</i>			
CAPEQUPSL - Capital Equipmei	7,500,000	7,500,000	7,500,000
OTHEXPSSL - Other Expenses	384,416,153	31,711,400	31,711,400
FIXEDCHGSL - Fixed Charges	87,060,300	95,583,800	95,583,800
<i>A41000 - Water Department</i>	<i>478,976,453</i>	<i>134,795,200</i>	<i>134,795,200</i>
<b>AC3041 - Water - Capital and Debt Service</b>	<b>478,976,453</b>	<b>134,795,200</b>	<b>134,795,200</b>
<b>Grand Total</b>	<b>478,976,453</b>	<b>134,795,200</b>	<b>134,795,200</b>

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriation Summary - Revenues**

	2001-02 Actuals	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec	Variance
<b>A41000 - Water Department</b>					
00088 - Water Operations Group					
441100 - Other Labors and Mate	685,670	0	0	0	0
00088 - Water Operations Group	685,670	0	0	0	0
00758 - Water Bond Reserve					
461100 - Earnings On Investmer	656,950	0	0	0	0
00758 - Water Bond Reserve	656,950	0	0	0	0
04826 - Revenue - Water Receiving					
440100 - Maintenance & Constr	(874)	0	0	0	0
440160 - Maint & Construction-H	0	2,513,200	142,000	142,000	(2,371,200)
441100 - Other Labors and Mate	4,089,874	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	55,858	0	0	0	0
447210 - Water Sales - Retail	58,438,028	80,173,666	83,456,326	83,456,326	3,282,660
447215 - Water Sales - Wholesa	146,873,848	176,806,832	185,816,432	185,816,432	9,009,600
448115 - Other Fees	442,386	1,883,671	4,258,000	4,258,000	2,374,329
448170 - Other Fee-Shut Off-Tur	72,272	0	0	0	0
448190 - Illegal Turn on Penalty	19,072	0	0	0	0
448195 - Service Disconnection	63,360	0	0	0	0
461100 - Earnings On Investmer	290,096	1,119,700	625,200	625,200	(494,500)
462241 - Rent of Building and Sp	8,046	0	0	0	0
471905 - Contributed Revenue	6,000,000	0	0	0	0
472100 - Other Forfeits And Pen	107	0	0	0	0
472117 - Late Payment Fee	1,476,360	0	0	0	0
472150 - Other Miscellaneous	(69,341)	0	0	0	0
472220 - Ng Check Service Chai	11,326	0	0	0	0
472260 - Sale Of Equipment - Mi	6,458	0	0	0	0
474100 - Miscellaneous Receipts	2,597,763	7,852,729	693,242	693,242	(7,159,487)
474130 - Misc Recpts-Cash Ove	(1,561)	0	0	0	0
04826 - Revenue - Water Receiving	220,373,078	270,949,798	275,591,200	275,591,200	4,641,402
04827 - Revenue - Water Operation -Maintenance					
461100 - Earnings On Investmer	(109,121)	225,000	0	0	(225,000)
462135 - Building Rentals -I	193,488	0	0	0	0
472150 - Other Miscellaneous	(213,108)	0	0	0	0
474100 - Miscellaneous Receipts	(15,776)	0	0	0	0
04827 - Revenue - Water Operation -I	(144,517)	225,000	0	0	(225,000)
00163 - Debt Service and Maintenance					
461100 - Earnings On Investmer	2,193,166	3,545,700	2,948,100	2,948,100	(597,600)
00163 - Debt Service and Maintenanc	2,193,166	3,545,700	2,948,100	2,948,100	(597,600)
00164 - Water System Improvements					

**CITY OF DETROIT**  
**Budget Development for FY 2003 - 2004**  
**Appropriation Summary - Revenues**

	2001-02 Actuals	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec	Variance
<b>A41000 - Water Department</b>					
00164 - Water System Improvements					
461100 - Earnings On Investmer	30,611	250,000	250,000	250,000	0
00164 - Water System Improvements	30,611	250,000	250,000	250,000	0
00583 - Water Extraordinary Repair and Replace					
461100 - Earnings On Investmer	528,823	1,343,600	1,163,500	1,163,500	(180,100)
00583 - Water Extraordinary Repair ai	528,823	1,343,600	1,163,500	1,163,500	(180,100)
10257 - Water Construction Bond Fund Series 1:					
461100 - Earnings On Investmer	46,257	0	9,642,400	9,642,400	9,642,400
10257 - Water Construction Bond Fun	46,257	0	9,642,400	9,642,400	9,642,400
10647 - Water Bond Fund - Series 2001					
461100 - Earnings On Investmer	6,969,345	0	0	0	0
522100 - Sale Of Bonds	0	360,000,000	0	0	(360,000,000)
10647 - Water Bond Fund - Series 200	6,969,345	360,000,000	0	0	(360,000,000)
<b>A41000 - Water Department</b>	<b>231,339,383</b>	<b>636,314,098</b>	<b>289,595,200</b>	<b>289,595,200</b>	<b>(346,718,898)</b>
<b>Grand Total</b>	<b>231,339,383</b>	<b>636,314,098</b>	<b>289,595,200</b>	<b>289,595,200</b>	<b>(346,718,898)</b>

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411010 - Office of the Director</b>			
Director - DWSD	1	1	1
Deputy Director - DWSD	1	1	1
General Manager - DWSD	1	0	0
Admin Asst GD II - DWSD	2	2	2
Comm Admin Coord - DPW-Interim	1	0	0
Executive Secretary III	1	1	1
Executive Secretary II	2	2	2
Community Services Assistant	1	1	1
Principal Clerk	1	0	0
Office Assistant III	1	1	1
Proc & Qual Control Mgr-DWSD	0	1	1
Asst Director-DWSD Admin Sup	0	1	1
<b>Total Office of the Director</b>	<b>12</b>	<b>11</b>	<b>11</b>
<b>411020 - Public Affairs Division</b>			
Manager II - DWSD	1	0	0
Dept Relations Associate-DWSD	1	0	0
Admin Asst GD IV	1	1	1
Administrative Specialist I	3	2	2
Principal Governmental Analyst	2	2	2
Sr Governmental Analyst	4	0	0
Web Editor	0	0	3
Publicist II	1	2	1
Sr Promotional Activities Asst	2	5	5
Promotional Activities Assist	1	1	1
Principal Graphic Designer	1	1	1
Graphic Designer	2	2	2
Audio Visual Srves Sprv	1	1	1
Audio Visual Technician IV	2	2	2
Audio Visual Technician III	2	2	2
Audio Visual Technician II	2	2	2
Photographer - General	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411020 - Public Affairs Division</b>			
Head Clerk	1	0	0
Principal Clerk	2	3	3
Senior Clerk	1	1	1
Office Assistant III	2	1	1
Office Assistant II	1	1	1
Publicist III	3	0	0
General Manager - DWSD	0	1	1
Publicist I	0	1	0
<b>Total Public Affairs Division</b>	<b>37</b>	<b>32</b>	<b>33</b>
<b>411030 - Document Management</b>			
Admin Asst GD II - DWSD	1	1	0
Administrative Specialist I	1	0	0
Principal Clerk	1	1	0
Office Assistant III	1	1	0
Senior Clerk	1	1	0
Office Assistant II	2	1	0
Clerk	1	0	0
Messenger	2	2	0
<b>Total Document Management</b>	<b>10</b>	<b>7</b>	<b>0</b>
<b>411070 - Safety</b>			
Office Management Assistant	0	0	0
Principal Governmental Analyst	0	1	0
Microcomputer Support Splst	0	1	0
Senior Clerk	0	2	0
Sr Governmental Analyst	0	1	0
Revenue Collections Specialist	0	0	0
Principal Clerk	0	3	0
Offset Printer	0	0	0
<b>Total Safety</b>	<b>0</b>	<b>8</b>	<b>0</b>

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411080 - Security</b>			
Chief DWSD Security Administr	1	1	1
Asst Chief-DWSD Security-Admin	1	1	1
Revenue Collections Specialist	4	0	0
Sprv Srve Guard - GD II	4	4	4
Sprv Srve Guard - GD I	5	5	5
Security Specialist	12	12	12
Sr Governmental Analyst	2	1	1
Senior Clerk	1	1	1
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Senior Service Guard - Water	12	12	12
Service Guard - Public Utility	90	90	90
<b>Total Security</b>	<b>135</b>	<b>130</b>	<b>130</b>
<b>411090 - Office of Program Management Ass</b>			
Office Assistant III	0	0	0
Delivery - Driver	0	0	0
Head Clerk	0	0	0
Principal Purchases Agent	0	0	0
Purchases Agent III	0	0	0
Manager II - DWSD	0	0	0
Office Management Assistant	0	0	0
Senior Clerk	0	0	0
Principal Clerk	0	0	0
Purchases Agent II	0	0	0
<b>Total Office of Program Management Assista</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>411100 - Print Shop</b>			
Supervisor of Printing	1	1	0
Duplicating Devices Operator	2	1	0



**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411100 - Print Shop</b>			
Offset Printer	2	1	0
<b>Total Print Shop</b>	<b>5</b>	<b>3</b>	<b>0</b>
<b>411110 - Information Systems Administrative Services</b>			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Dept Info Tech Network Splst	5	5	5
Prin Data Proc Prog Analyst	5	5	4
Sr Data Proc Prog Analyst	13	13	13
Inter Data Proc Prog Analyst	7	7	7
Sr Data Proc Telecomm Tech	4	4	4
Office Management Assistant	1	1	1
Sr Governmental Analyst	1	1	1
Office Automation Support Asst	1	1	1
Microcomputer Support Splst	5	5	5
Eng Support Specialist II	3	3	2
Sr Radio Maint Technician	1	1	1
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Info Tech Client Supp Asst	0	0	1
Sr Geograph Info Sys Supp Tech	0	0	0
System Programming Coordinator	0	0	1
<b>Total Information Systems Administrative Services</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>411190 - Purchasing</b>			
Manager II - DWSD	1	1	0
Office Management Assistant	2	1	0
Principal Purchases Agent	2	1	0
Purchases Agent III	15	15	0
Purchases Agent II	8	8	0
Head Clerk	1	1	0
Principal Clerk	1	1	0
Senior Clerk	9	3	0

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411190 - Purchasing</b>			
Office Assistant III	3	4	0
Duplicating Devices Operator	0	0	0
Senior Bookkeeper	0	0	0
Delivery - Driver	0	1	0
<b>Total Purchasing</b>	<b>42</b>	<b>36</b>	<b>0</b>
<b>411200 - Contracts and Grants</b>			
Manager II - DWSD	1	0	1
Manager I - DWSD	2	2	2
Principal Governmental Analyst	6	5	5
Sr Governmental Analyst	20	16	16
Principal Clerk	1	1	1
Senior Clerk	4	4	4
Office Assistant III	4	4	4
Clerk	1	1	1
Office Assistant II	3	1	1
General Manager - DWSD	0	1	0
<b>Total Contracts and Grants</b>	<b>42</b>	<b>35</b>	<b>35</b>
<b>411220 - Commercial Operations</b>			
Commercial Oper Specialist III	0	0	5
Supervisor of Mail Operations	0	0	1
Admin Sprv - Field Operations	0	0	1
Customer Services Supervisor	0	0	2
Permit Investigator - DWSD	0	0	4
Field Services Rep	0	0	18
Commercial Oper Specialist I	0	0	6
Customer Service Rep III	0	0	15
Manager I - DWSD	0	0	1
Office Automation Support Asst	0	0	2
Microcomputer Support Splst	0	0	2
Office Management Assistant	0	0	1
Office Assistant III	0	0	17

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411220 - Commercial Operations</b>			
Manager II - DWSD	0	0	1
Field Operations Sprvr	0	0	7
Customer Service Rep II	0	0	34
Commercial Oper Specialist II	0	0	23
Customer Service Rep I	0	0	36
Senior Water Meter Reader	0	0	38
Mail Processor	0	0	3
<b>Total Commercial Operations</b>	<b>0</b>	<b>0</b>	<b>217</b>
<b>411250 - Meter Operations</b>			
Senior Clerk	0	0	4
Administrative Specialist I	0	0	1
Clerk	0	0	2
Water Meter Foreman	0	0	4
Water Sys Cntrl Instr Tech	0	0	7
Office Assistant III	0	0	3
Water Meter Mechanic	0	0	7
Sr Governmental Analyst	0	0	1
Office Management Assistant	0	0	1
Water Meter Worker	0	0	21
Principal Governmental Analyst	0	0	1
Office Assistant II	0	0	3
Storekeeper	0	0	1
Mechanical Helper	0	0	23
Sr Water Meter Mechanic	0	0	3
Cont Instr Tech Sub-Foreman-Wa	0	0	2
Control Instru Tech -Foreman	0	0	1
Sr Water Meter Foreman	0	0	1
Manager II - DWSD	0	0	1
Manager I - DWSD	0	0	1
<b>Total Meter Operations</b>	<b>0</b>	<b>0</b>	<b>88</b>

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00085 - Administration</b>			
<b>411280 - Systems Operations Control</b>			
Proc Control Center Operator	0	0	7
Microcomputer Support Splst	0	0	1
Senior Clerk	0	0	1
Water Sys Cntrl Instr Tech	0	0	6
Sr Water Plant Operator	0	0	11
Proc Control Center Supervisor	0	0	5
Chief Water Systems Sprv	0	0	1
Head Eng - Water Sys-Operation	0	0	1
Sr Assoc Civil Eng - Design	0	0	2
Engineer of Water Systems	0	0	1
Sr Data Proc Prog Analyst	0	0	1
Cont Instr Tech Sub-Foreman-Wa	0	0	1
<b>Total Systems Operations Control</b>	<b>0</b>	<b>0</b>	<b>38</b>
<b>411290 - Water Technical Services</b>			
Sr Assoc Mech Eng - Operation	0	0	1
Assoc Elect Eng - Design	0	0	1
Sr Assoc Civil Eng - Design	0	0	1
Assoc Mech Eng - Design	0	0	1
Sr Assoc Elect Eng - Design	0	0	1
Engineer of Wastewater Systems	0	0	2
<b>Total Water Technical Services</b>	<b>0</b>	<b>0</b>	<b>7</b>
<b>411300 - Operations Services</b>			
Sr Pitometer Technician	0	0	3
Senior Clerk	0	0	1
Office Management Assistant	0	0	1
Principal Clerk	0	0	1
Pitometer Technician	0	0	11
<b>Total Operations Services</b>	<b>0</b>	<b>0</b>	<b>17</b>
<b>Total Administration</b>	<b>333</b>	<b>312</b>	<b>626</b>

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00086 - Financial Services Group</b>			
<b>412010 - Office of Assistant Director of Financial Services</b>			
Administrative Specialist I	1	0	0
General Manager - DWSD	1	0	0
Office Management Assistant	1	1	1
Asst Director-DWSD Admin Sup	0	1	1
<b>Total Office of Assistant Director of Financial Services</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>412020 - Financial Administrative Services</b>			
Financial Manager - DWSD	1	1	0
General Manager - DWSD	1	0	0
Manager I - DWSD	3	2	3
Senior Auditor	1	1	1
Auditor	3	0	0
Principal Governmental Analyst	2	2	1
Sr Governmental Analyst	6	6	4
Principal Clerk	1	1	1
<b>Total Financial Administrative Services</b>	<b>18</b>	<b>13</b>	<b>10</b>
<b>412080 - General Accounting Administrative</b>			
Manager II - DWSD	1	1	1
Manager I - DWSD	3	3	3
Administrative Specialist I	1	1	1
Principal Accountant	4	4	4
Senior Accountant	22	20	20
Senior Bookkeeper	2	1	1
Head Clerk	1	1	1
Principal Clerk	7	7	7
Senior Voucher Audit Clerk	6	6	6
Voucher Audit Clerk	2	2	2
Senior Clerk	10	7	7
Senior Teller	7	7	7
Senior Stenographer	1	0	0
Office Assistant II	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00086 - Financial Services Group</b>			
<b>412080 - General Accounting Administrative</b>			
Teller	3	3	3
<b>Total General Accounting Administrative Ser</b>	<b>71</b>	<b>64</b>	<b>64</b>
<b>412120 - Commercial Operations Administra</b>			
Manager II - DWSD	1	1	0
Manager I - DWSD	1	1	0
Commercial Oper Specialist III	5	5	0
Commercial Oper Specialist II	15	23	0
Commercial Oper Specialist I	6	6	0
Microcomputer Support Splst	2	2	0
Supervisor of Mail Operations	0	1	0
Office Management Assistant	1	1	0
Office Automation Support Asst	2	2	0
Customer Service Rep I	36	36	0
Customer Service Rep II	34	34	0
Customer Service Rep III	15	15	0
Permit Investigator - DWSD	4	4	0
Field Services Rep	18	18	0
Customer Services Supervisor	2	2	0
Senior Water Meter Reader	38	38	0
Field Operations Sprvr	7	7	0
Admin Sprv - Field Operations	1	1	0
Mail Processor	3	3	0
Office Assistant III	17	17	0
Supervisor of Mail Operations	1	0	0
<b>Total Commercial Operations Administrative</b>	<b>209</b>	<b>217</b>	<b>0</b>
<b>412220 - Purchasing</b>			
Principal Purchases Agent	0	0	1
Duplicating Devices Operator	0	0	1
Purchases Agent II	0	0	8
Principal Clerk	0	0	1
Purchases Agent III	0	0	15

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00086 - Financial Services Group</b>			
<b>412220 - Purchasing</b>			
Office Management Assistant	0	0	1
Senior Clerk	0	0	3
Office Assistant III	0	0	3
Manager II - DWSD	0	0	1
Head Clerk	0	0	1
Senior Bookkeeper	0	0	1
<b>Total Purchasing</b>	<b>0</b>	<b>0</b>	<b>36</b>
<b>412230 - Material Management</b>			
Sr Governmental Analyst	0	0	6
Principal Governmental Analyst	0	0	1
Senior Storekeeper	0	0	15
Business System Support Splst	0	0	1
Storekeeper	0	0	37
Office Management Assistant	0	0	1
Head Clerk	0	0	2
Delivery - Driver	0	0	6
Stores Operations Supervisor	0	0	3
Head Storekeeper	0	0	4
Office Assistant III	0	0	1
Senior Clerk	0	0	10
Manager I - DWSD	0	0	1
Principal Clerk	0	0	2
<b>Total Material Management</b>	<b>0</b>	<b>0</b>	<b>90</b>
<b>Total Financial Services Group</b>	<b>301</b>	<b>296</b>	<b>202</b>
<b>00087 - Asset Maintenance Group</b>			
<b>414010 - Office of Assistant Director Asset M</b>			
General Manager - DWSD	1	0	0
Manager II - DWSD	1	1	1
Manager I - DWSD	2	2	2
Head Eng - Water Sys-Operation	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414010 - Office of Assistant Director Asset M</b>			
Office Management Assistant	1	1	1
Asst Dir of DWSD - Asset Maint	0	0	1
Asst Dir - DWSD Tech Support	0	1	0
<b>Total Office of Assistant Director Asset Mana</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>414020 - Material Management Administratic</b>			
Manager II - DWSD	1	0	0
Manager I - DWSD	1	1	0
Business System Support Splst	1	1	0
Office Management Assistant	1	1	0
Stores Operations Supervisor	3	3	0
Head Storekeeper	4	4	0
Senior Storekeeper	16	15	0
Storekeeper	43	37	0
Principal Governmental Analyst	1	1	0
Sr Governmental Analyst	6	6	0
Head Clerk	2	2	0
Principal Clerk	2	2	0
Senior Clerk	12	10	0
Office Assistant III	1	1	0
Clerk	2	0	0
Office Assistant II	2	0	0
Delivery - Driver	6	6	0
<b>Total Material Management Administration</b>	<b>104</b>	<b>90</b>	<b>0</b>
<b>414090 - Meter Operations</b>			
Manager II - DWSD	1	1	0
Manager I - DWSD	1	1	0
Administrative Specialist I	1	1	0
Office Management Assistant	1	1	0
Sr Assoc Mech Eng - Operation	1	0	0
Principal Governmental Analyst	1	1	0
Sr Governmental Analyst	1	1	0



**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414090 - Meter Operations</b>			
Control Instru Tech -Foreman	1	1	0
Cont Instr Tech Sub-Foreman-Wa	2	2	0
Water Sys Cntrl Instr Tech	15	7	0
Sr Water Meter Foreman	1	1	0
Water Meter Foreman	4	4	0
Sr Water Meter Mechanic	7	3	0
Water Meter Mechanic	10	7	0
Water Meter Worker	22	21	0
Mechanical Helper	26	23	0
Principal Clerk	1	0	0
Head Clerk	1	0	0
Senior Clerk	4	4	0
Office Assistant III	4	3	0
Clerk	5	2	0
Office Assistant II	3	3	0
Storekeeper	1	1	0
Senior Storekeeper	0	0	0
<b>Total Meter Operations</b>	<b>114</b>	<b>88</b>	<b>0</b>
<b>414130 - Mechanical Operations Administrat</b>			
Sr Sprv of Mechanical Maint	1	1	1
Water/Wastewater Sys Maint Eng	1	1	1
Asst Sewer Safety Inspector	4	2	2
Manager II - DWSD	2	2	2
Manager I - DWSD	2	0	0
Administrative Specialist I	1	0	0
Eng Support Specialist I	1	0	0
Sr Assoc Mech Eng - Operation	1	1	1
Sr Assoc Elect Eng - Waste	1	1	1
Assoc Mech Eng - Maintenance	1	1	1
Assoc Elect Eng - Design	1	1	1
Principal Governmental Analyst	1	0	0

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414130 - Mechanical Operations Administrat</b>			
Sr Governmental Analyst	1	1	1
Head Clerk	1	1	1
Principal Clerk	1	1	1
Senior Clerk	3	3	3
Office Assistant III	2	2	2
Office Assistant II	4	4	4
Clerk	3	3	3
Plant Maintenance Sr Foreman	5	3	3
Plant Maintenance Foreman	9	9	9
Plant Maintenance Sub-Foreman	8	8	8
Plant Maintenance Mechanic	5	5	5
Labor Foreman	1	0	0
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	6	5	5
Elect Worker - General	15	15	15
Elect Repair Worker - General	8	8	8
Electrical Helper	6	3	3
Sr Auto Repair Foreman	1	1	1
Auto Repair Foreman	12	11	11
General Auto Mechanic	43	40	40
Auto Mechanic	18	18	18
Auto Repair Helper	8	6	6
Park Maintenance Opr Asst	1	1	1
Park Maintenance Sprv -GD II	1	1	1
Park Maintenance Foreman	6	2	2
Park Maintenance Sub-Foreman	2	2	2
Park Maintenance Worker	10	9	9
Park Maintenance Helper	10	7	7
Preventive Maintenance Coord	1	1	1
Machinist Sub-Foreman	1	1	1
General Machinist	9	9	9

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414130 - Mechanical Operations Administration</b>			
General Blacksmith	1	1	1
Carpenter Foreman	1	1	1
Carpenter Sub-Foreman	1	0	0
Finish Carpenter	6	6	6
Painter Foreman	1	1	1
Painter Sub-Foreman	1	1	1
Finish Painter	13	13	13
Roofer	2	1	1
Master Plumber	1	0	0
Plumber	2	1	1
Bricklayer	1	1	1
Maintenance Millwright	15	9	9
General Welder	6	6	6
Sheet Metal Worker	3	3	3
Water Systems Equip Mechanic	4	2	2
Repair Mechanic	7	5	5
Mechanical Helper	13	10	10
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	2	2	2
Building Attendant A	22	21	21
Bldg Trades Worker-Gen	3	3	3
Building Trades Helper	3	3	3
Sewer Safety Inspector	4	1	1
Sewer Safety Helper	4	3	3
Vehicle Operator III	1	1	1
Vehicle Operator I	6	6	6
Delivery - Driver	1	1	1
<b>Total Mechanical Operations Administration</b>	<b>344</b>	<b>294</b>	<b>294</b>
<b>414200 - Water Board Building</b>			
Bldg and Grds Maint Sprv	1	1	1
Bldg Oper Sprv - Grade II	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414200 - Water Board Building</b>			
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	1	1	1
Sr Pub Srve Attendant-Elev Ope	1	1	1
Building Operator I	3	3	3
Building Attendant A	28	24	24
Building Trades Helper	1	1	1
Elect Worker - General	3	3	3
Elect Repair Worker - General	4	4	4
Elevator Mechanic	4	4	4
Garage Attendant	3	2	2
Senior Clerk	1	1	1
Clerk	1	1	1
<b>Total Water Board Building</b>	<b>53</b>	<b>48</b>	<b>48</b>
<b>414240 - Central Yard</b>			
Asst Super Water Sys Maint	0	0	1
Drafting Technician III	0	0	2
Plumber	0	0	4
Sr Water Sys Maint Dispatcher	0	0	1
Drafting Technician II	0	0	1
Telecomm Center Sprv - DWSD	0	0	1
Sr Water Systems Mechanic	0	0	43
Water Systems Helper	0	0	71
Vehicle Operator III	0	0	15
Vehicle Operator I	0	0	18
Master Plumber	0	0	1
Bricklayer	0	0	4
Miner	0	0	2
Super-Water Sys Maint & Const	0	0	1
Sprv of Water Sys Maint	0	0	5
Asst Sprv Water Sys Maint	0	0	8
Water Systems Foreman	0	0	25

**CITY OF DETROIT**  
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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414240 - Central Yard</b>			
Water Systems Mechanic	0	0	95
Water Systems Repair Worker	0	0	140
Senior Stenographer	0	0	1
Admin Asst GD II - DWSD	0	0	1
Administrative Specialist I	0	0	1
Principal Clerk	0	0	2
Construction Equip Operator	0	0	26
Water Sys Maint Dispatcher	0	0	16
Senior Clerk	0	0	11
Service Information Clerk	0	0	12
Clerk	0	0	7
<b>Total Central Yard</b>	<b>0</b>	<b>0</b>	<b>515</b>
<b>414360 - Central Service Facility</b>			
Bldg Ops Sprv Central Servic	0	0	1
<b>Total Central Service Facility</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Total Asset Maintenance Group</b>	<b>621</b>	<b>526</b>	<b>864</b>
<b>00088 - Water Operations Group</b>			
<b>415010 - Office of Assistant Director of Wate</b>			
General Manager - DWSD	1	0	0
Water Production&Operation Mgr	2	1	1
Manager I - DWSD	1	1	1
Sr Assoc Chem Eng-Wastewater	4	0	0
Assoc Chem Eng-Wastewater Sys	1	0	0
Admin Asst GD II - DWSD	2	2	2
Office Management Assistant	1	1	1
Clerk	1	1	1
Office Assistant II	1	1	1
Asst Dir -DWSD Water Supply Op	0	1	1
<b>Total Office of Assistant Director of Water Op</b>	<b>14</b>	<b>8</b>	<b>8</b>

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415020 - Water Works Park</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	5	4	4
Water Plant Operator	10	10	10
Water Sys Cntrl Instr Tech	2	1	1
Water Plant Attendant	4	4	4
Elect Worker - General	1	1	1
Elect Repair Worker - General	2	1	1
Senior Water Systems Chemist	6	5	5
Water Systems Chemist	5	5	5
Sr Water Sys Lab Technician	1	1	1
Plant Maintenance Mechanic	3	3	3
Repair Mechanic	3	3	3
Mechanical Helper	7	6	6
Electrical Helper	1	1	1
Principal Clerk	1	1	1
Stenographer	1	0	0
<b>Total Water Works Park</b>	<b>61</b>	<b>55</b>	<b>55</b>
<b>415030 - Springwells Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	6	5	5
Repair Mechanic	3	3	3
Mechanical Helper	5	0	0
Water Sys Cntrl Instr Tech	2	1	1
Senior Water Systems Chemist	5	5	5

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415030 - Springwells Plant</b>			
Water Systems Chemist	5	4	4
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	5	4	4
Water Plant Operator	10	10	10
Water Plant Attendant	5	5	5
Water Systems Laboratory Tech	1	0	0
Elect Worker Sub-Foreman	1	1	1
Elect Worker - General	2	1	1
Elect Repair Worker - General	2	1	1
Electrical Helper	2	1	1
Senior Clerk	1	1	1
Stenographer	1	1	1
Plant Maintenance Sr Foreman	0	1	0
<b>Total Springwells Plant</b>	<b>65</b>	<b>53</b>	<b>52</b>
<b>415040 - Northeast Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Sr Assoc Civil Eng - Design	1	0	0
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	2	1	1
Plant Maintenance Mechanic	4	4	4
Senior Water Systems Chemist	6	6	6
Water Sys Cntrl Instr Tech	2	1	1
Head Water Plant Operator	5	4	4
Water Plant Operator	8	6	6
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	1	1	1
Maintenance Millwright	1	0	0
Principal Clerk	1	1	1

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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415040 - Northeast Plant</b>			
Senior Clerk	1	0	0
Sr Water Plant Operator	0	0	0
Mechanical Helper	0	0	0
<b>Total Northeast Plant</b>	<b>38</b>	<b>30</b>	<b>30</b>
<b>415050 - Southwest Plant</b>			
Water Treatment Plant Manager	1	1	1
Head Water Plant Operator	5	1	1
Sr Water Plant Operator	5	5	5
Water Plant Operator	5	5	5
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	2	2	2
Senior Water Systems Chemist	6	5	5
Sprv Filtration	1	1	1
Water Sys Cntrl Instr Tech	2	2	2
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	2	2	2
Plumber	1	1	1
Mechanical Helper	3	3	3
Senior Clerk	1	1	1
<b>Total Southwest Plant</b>	<b>38</b>	<b>33</b>	<b>33</b>
<b>415060 - Lake Huron Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Elect Worker - General	2	1	1
Plant Maintenance Sub-Foreman	1	1	1
Senior Water Systems Chemist	5	5	5
Head Water Plant Operator	5	4	4
Repair Mechanic	2	2	2



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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415060 - Lake Huron Plant</b>			
Water Sys Cntrl Instr Tech	2	1	1
Water Plant Operator	5	3	3
Mechanical Helper	1	1	1
Elect Repair Worker - General	1	1	1
General Auto Mechanic	1	1	1
Plant Maintenance Mechanic	3	3	3
Principal Clerk	1	1	1
<b>Total Lake Huron Plant</b>	<b>32</b>	<b>27</b>	<b>27</b>
<b>415070 - Systems Control</b>			
Chief Water Systems Sprv	1	1	0
Head Eng - Water Sys-Operation	1	1	0
Water/Wastewater Sys Maint Eng	2	0	0
Engineer of Water Systems	2	1	0
Sr Assoc Civil Eng - Design	2	2	0
Water Sys Cntrl Instr Tech	9	6	0
Cont Instr Tech Sub-Foreman-Wa	1	1	0
Proc Control Center Supervisor	7	5	0
Proc Control Center Operator	7	7	0
Sr Water Plant Operator	14	11	0
Microcomputer Support Splst	1	1	0
Sr Data Proc Prog Analyst	1	1	0
Senior Clerk	1	1	0
<b>Total Systems Control</b>	<b>49</b>	<b>38</b>	<b>0</b>
<b>415080 - Operational Services</b>			
Sr Assoc Civil Eng - Design	1	0	0
Associate Civil Eng - Design	1	0	0
Drafting Technician III	1	0	0
Sr Pitometer Technician	4	3	0
Pitometer Technician	13	11	0
Principal Clerk	1	1	0
Senior Clerk	1	1	0

**CITY OF DETROIT**  
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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415080 - Operational Services</b>			
Office Management Assistant	1	1	0
<b>Total Operational Services</b>	<b>23</b>	<b>17</b>	<b>0</b>
<b>415300 - Water Technical Services</b>			
Engineer of Wastewater Systems	2	2	0
Sr Assoc Civil Eng - Design	1	1	0
Sr Assoc Elect Eng - Design	1	1	0
Sr Assoc Mech Eng - Operation	1	1	0
Assoc Mech Eng - Design	1	1	0
Associate Industrial Engineer	1	0	0
Assoc Elect Eng - Design	1	1	0
<b>Total Water Technical Services</b>	<b>8</b>	<b>7</b>	<b>0</b>
<b>415310 - Central Yard</b>			
Engineer of Water Systems	1	0	0
Super-Water Sys Maint & Const	1	1	0
Asst Super Water Sys Maint	1	1	0
Sprv of Water Sys Maint	5	5	0
Asst Sprv Water Sys Maint	11	8	0
Drafting Technician III	2	2	0
Drafting Technician II	2	1	0
Admin Asst GD II - DWSD	1	1	0
Administrative Specialist I	1	1	0
Telecomm Center Sprv - DWSD	1	1	0
Principal Clerk	2	2	0
Senior Clerk	11	11	0
Senior Stenographer	1	1	0
Clerk	8	7	0
Service Information Clerk	12	12	0
Sr Water Sys Maint Dispatcher	1	1	0
Water Sys Maint Dispatcher	18	16	0
Water Systems Foreman	29	25	0
Sr Water Systems Mechanic	46	43	0

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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415310 - Central Yard</b>			
Water Systems Mechanic	95	95	0
Water Systems Repair Worker	155	140	0
Water Systems Helper	86	71	0
Assistant Safety Officer	1	0	0
Construction Equip Foreman	1	0	0
Construction Equip Operator	26	26	0
Miner	2	2	0
Bricklayer	4	4	0
Master Plumber	1	1	0
Plumber	5	4	0
Concrete Finisher	1	0	0
Vehicle Operator III	15	15	0
Vehicle Operator I	21	18	0
<b>Total Central Yard</b>	<b>567</b>	<b>515</b>	<b>0</b>
<b>415370 - Central Service Facility</b>			
Bldg Opers Sprv Central Servic	1	1	0
Water Systems Helper	1	0	0
Office Assistant II	1	0	0
<b>Total Central Service Facility</b>	<b>3</b>	<b>1</b>	<b>0</b>
<b>415390 - Water Quality</b>			
Water/Wastewater Sys Maint Eng	1	1	1
Sprv of Indust Waste Control	1	1	1
Chemical Engineer	1	1	1
Water Production&Operation Mgr	1	1	1
Principal Analytical Chemist	1	1	1
Senior Analytical Chemist	3	3	3
Analytical Chemist	2	1	1
Microbiologist	1	1	1
Sr Water Distrib Sys Investiga	2	2	2
Water Systems Investigator	7	5	5
Asst Water Sys Investigator	3	2	2

**CITY OF DETROIT**  
**MAYOR'S 2003/2004 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415390 - Water Quality</b>			
Principal Clerk	1	1	1
<b>Total Water Quality</b>	<b>24</b>	<b>20</b>	<b>20</b>
<b>Total Water Operations Group</b>	<b>922</b>	<b>804</b>	<b>225</b>
<b>05817 - Engineering Services - Water</b>			
<b>413010 - Office of Assistant Director of Engi</b>			
General Manager - DWSD	1	0	0
Manager I - DWSD	1	0	0
Office Management Assistant	1	1	1
Asst Dir-Water Resources-Eng	0	1	1
<b>Total Office of Assistant Director of Engineer</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>413020 - Engineering Administrative Suppor</b>			
Gen Superintendent Eng - DWSD	1	1	1
Asst Gen Super of Eng - DWSD	1	1	1
Manager II - DWSD	2	2	2
Manager I - DWSD	1	1	1
Sr Governmental Analyst	2	1	1
Head Eng - Water Sys - Design	5	4	4
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	8	6	6
Field Engineer	1	1	1
Senior Associate Architect	1	1	1
Sr Assoc Elect Eng - Design	2	2	2
Sr Assoc Civil Eng - Design	9	8	8
Sr Assoc Mech Eng - Design	4	4	4
Assoc Architectural Engineer	2	2	2
Associate Civil Eng - Design	17	10	10
Assoc Elect Eng - Design	7	7	7
Assoc Mech Eng - Design	3	3	3
Supervising Assessment Tech	1	1	1
Sr Asst Civil Eng - Design	15	12	12

**CITY OF DETROIT**  
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**Water Department**

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
<b>05817 - Engineering Services - Water</b>			
<b>413020 - Engineering Administrative Support</b>			
Sr Asst Elect Eng - Design	3	3	3
Sr Asst Mech Eng - Design	1	1	1
Assistant Civil Engineer	4	4	4
Assistant Electrical Engineer	2	2	2
Assistant Mechanical Engineer	2	2	2
Appraiser II	4	0	0
Sr Assessment Technician	3	2	2
Administrative Specialist I	1	1	1
Drafting Technician IV	1	1	1
Drafting Technician III	29	15	15
Drafting Technician II	1	0	0
Mechanical Engineer	1	1	1
Principal Governmental Analyst	2	2	2
Principal Clerk	2	2	2
Head Constr Inspector - DWSD	1	1	1
Prin Construct Inspector-DWSD	7	7	7
Prin Const Inspector -Invest	1	0	0
Sr Construction Inspector	37	28	28
Sr Constr Insp - Investigation	1	0	0
Construct Insp - Investigation	1	1	1
Construction Inspector	1	1	1
Supervising Survey Technician	1	1	1
Associate Surveyor	1	1	1
Survey Technician	3	2	2
Assoc Struct Eng-Wastewater Sy	1	0	0
Eng Support Specialist II	6	5	5
Eng Support Specialist I	4	2	2
Office Assistant III	4	4	4
Senior Clerk	5	5	5
Office Assistant II	8	6	6
Clerk	7	7	7

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**Water Department**

<b>Appropriation</b>	<b>REDBOOK FY</b>	<b>DEPT REQUEST</b>	<b>MAYORS FY</b>
<b>Organization</b>	<b>2002 2003 FTE</b>	<b>FY 2003 2004 FTE</b>	<b>2003 2004 FTE</b>
<b>Classification</b>			
<b>05817 - Engineering Services - Water</b>			
<b>413020 - Engineering Administrative Support</b>			
Student Eng - Grade II Mech	2	2	2
Stenographer	1	1	1
Sr Assoc Chem Eng-Indust Waste	0	0	0
Prin Data Proc Prog Analyst	0	0	0
Sr Geograph Info Sys Supp Tech	0	0	0
<b>Total Engineering Administrative Support</b>	<b>231</b>	<b>178</b>	<b>178</b>
<b>Total Engineering Services - Water</b>	<b>234</b>	<b>180</b>	<b>180</b>
<b>Agency Total</b>	<b>2,411</b>	<b>2,118</b>	<b>2,097</b>